

FIG. 1A

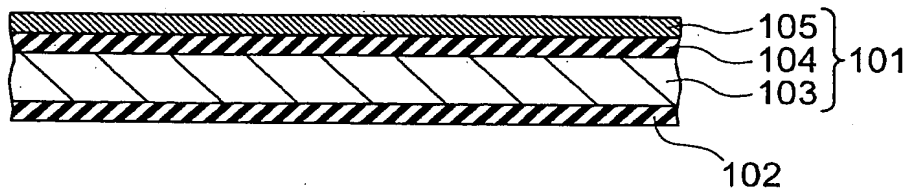


FIG. 1B

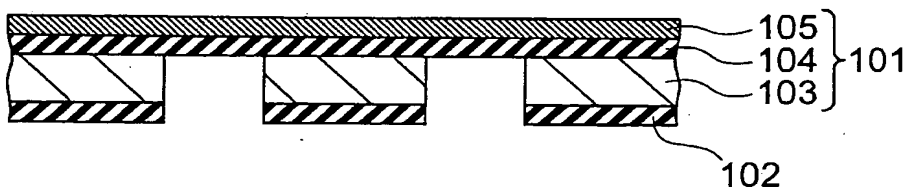


FIG. 1C

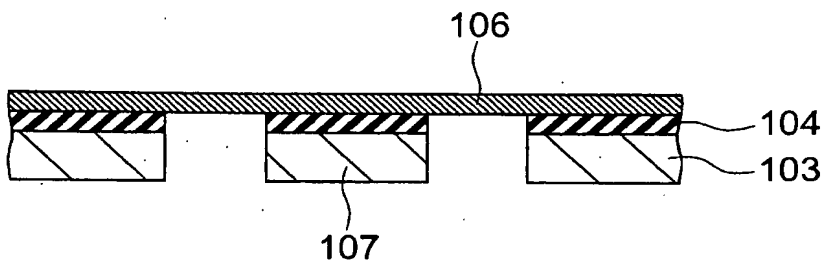


FIG. 1D

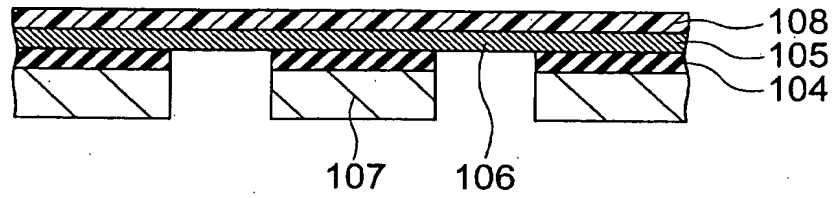


FIG. 1E

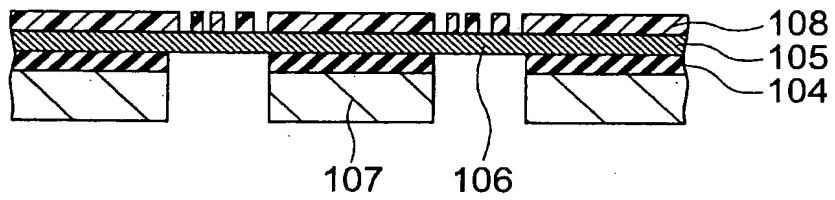


FIG. 1F

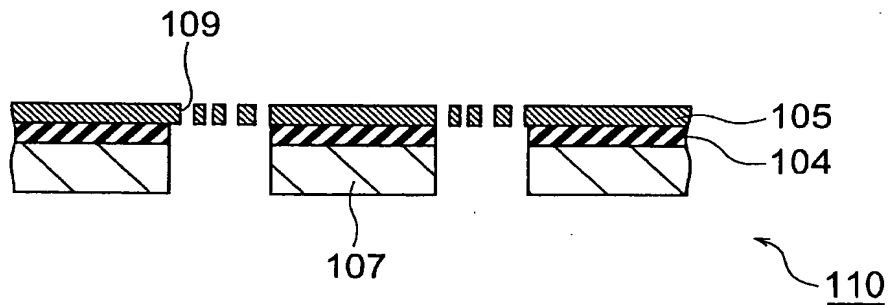


FIG. 2A

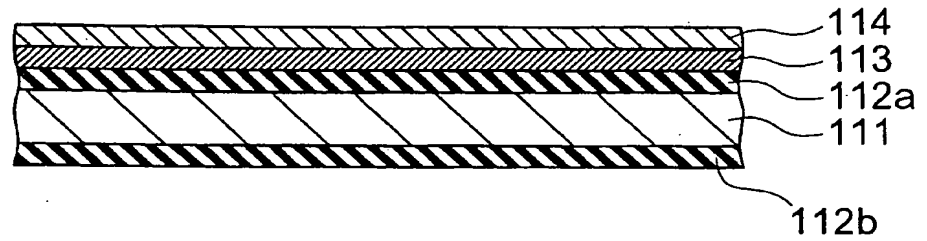


FIG. 2B

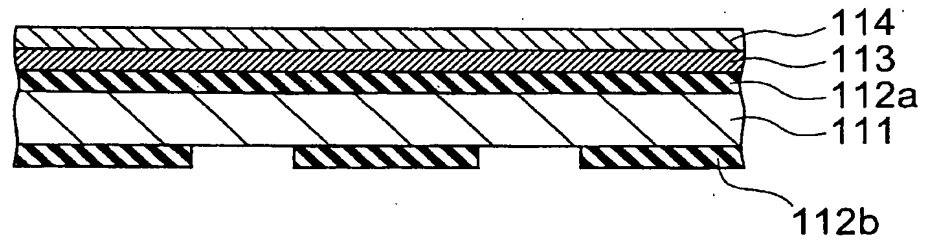


FIG. 2C

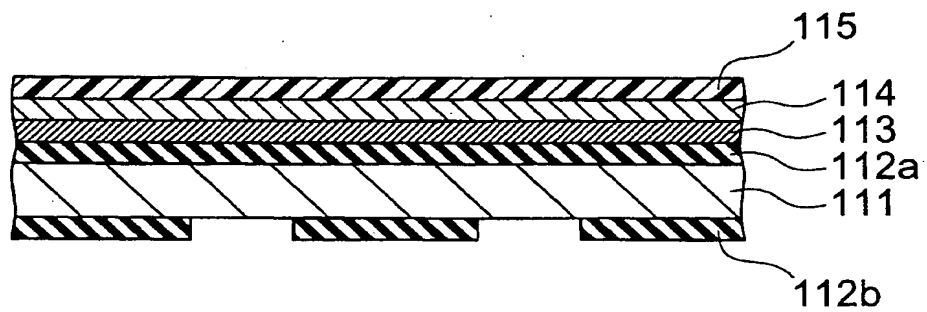


FIG. 2D

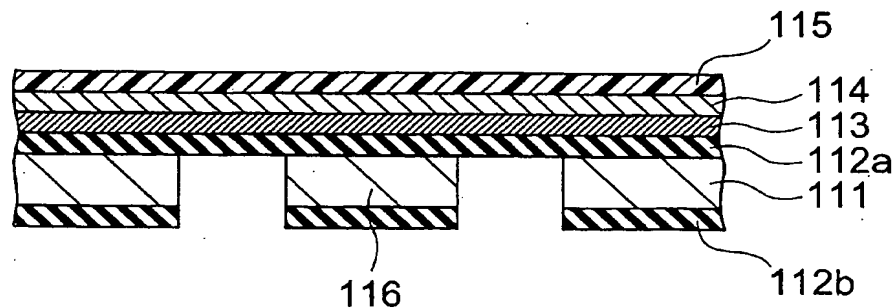


FIG. 2E

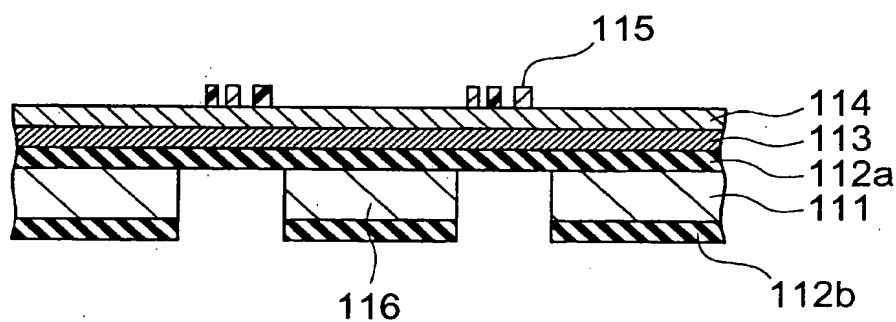


FIG. 2F

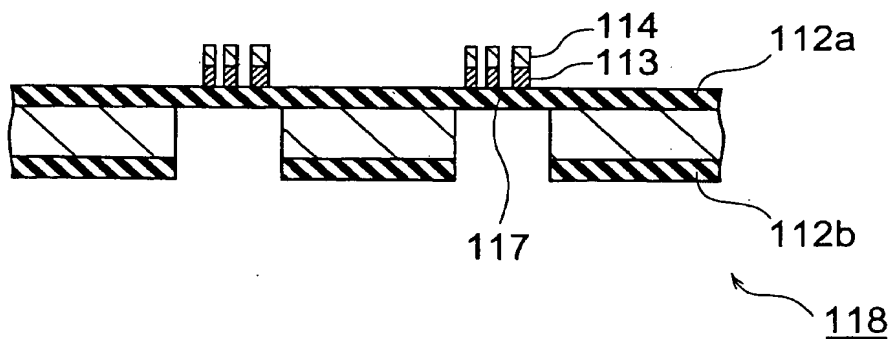


FIG. 3

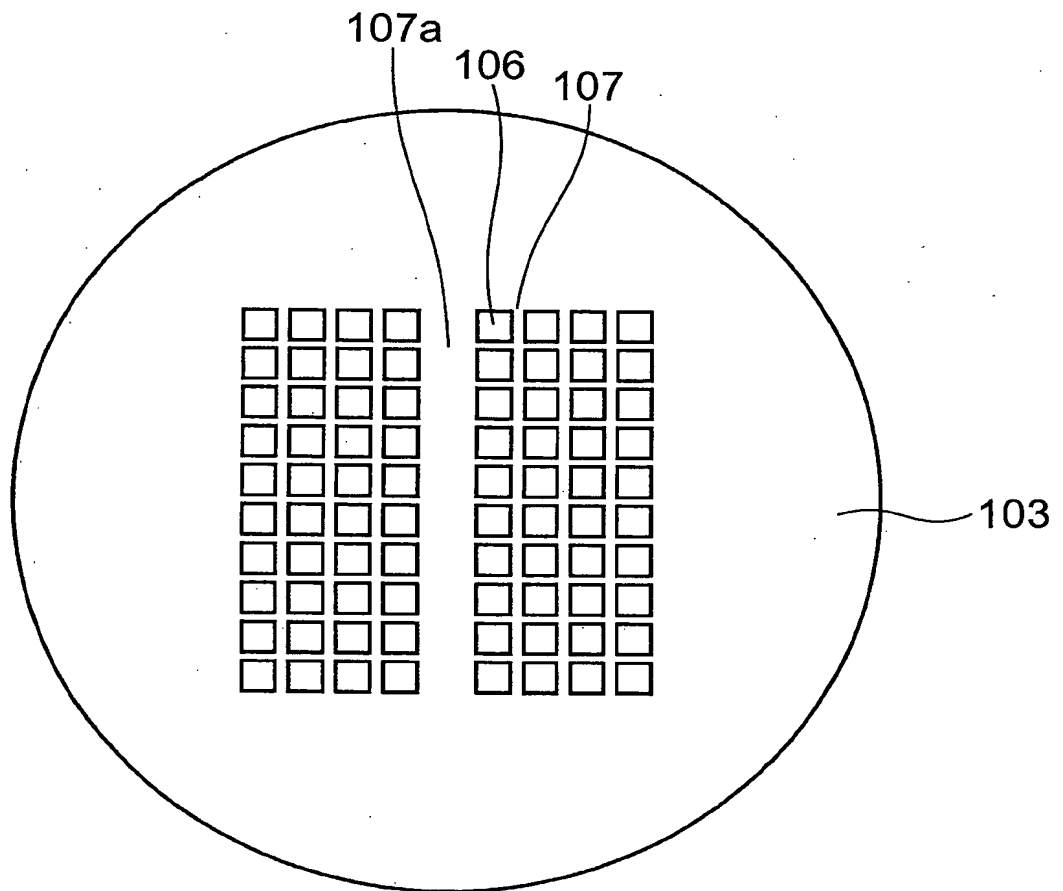


FIG. 4

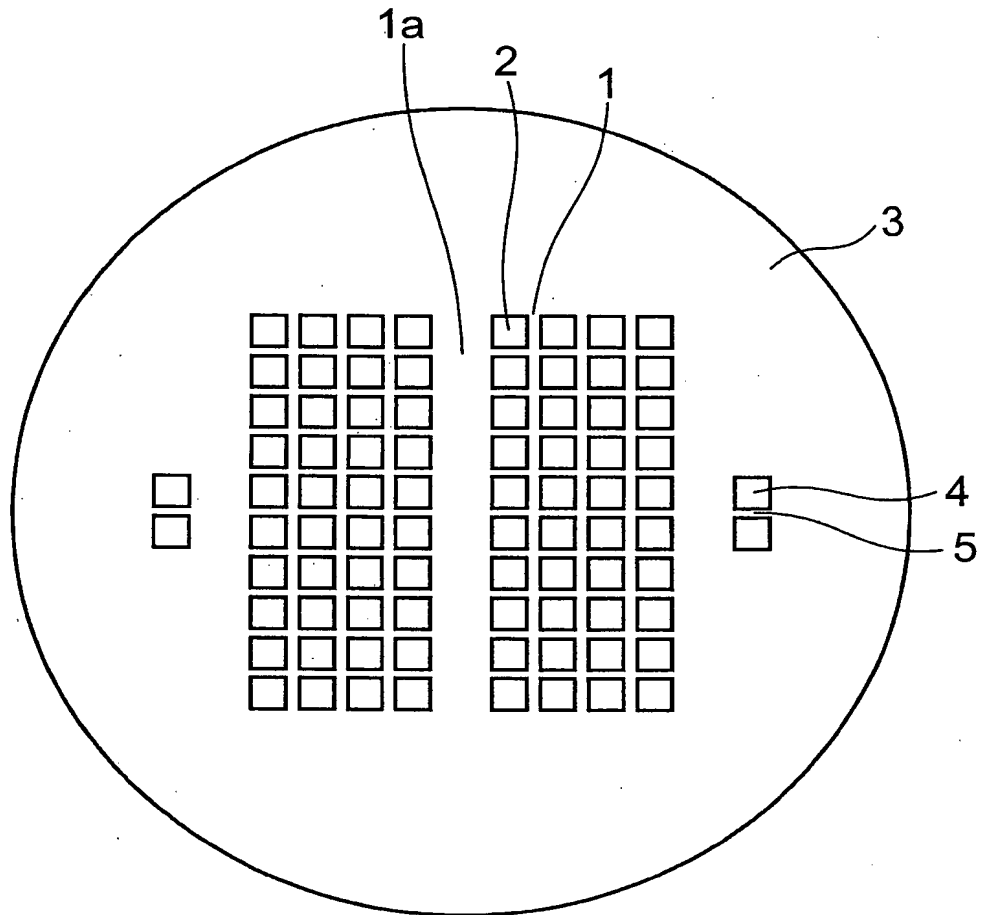


FIG. 5

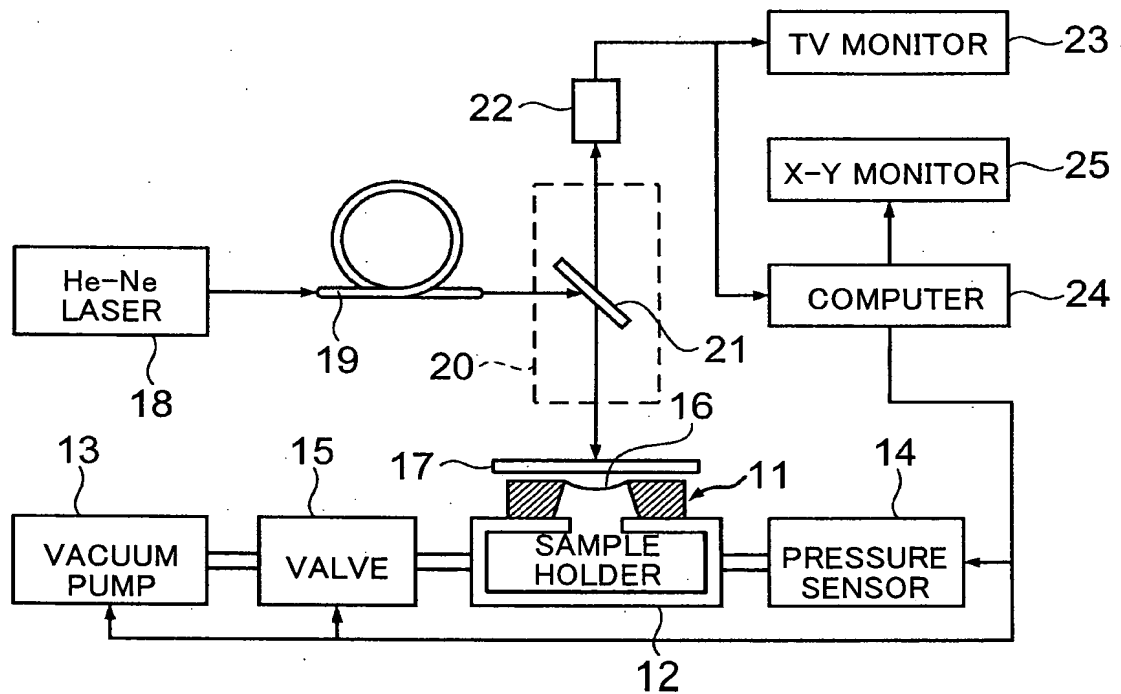


FIG. 6A

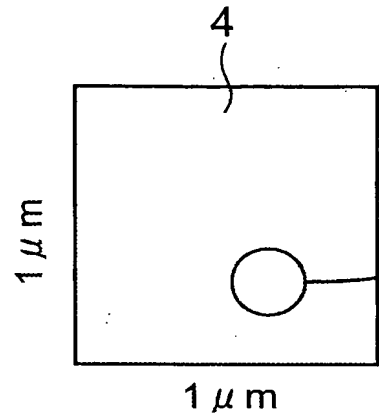


FIG. 6B

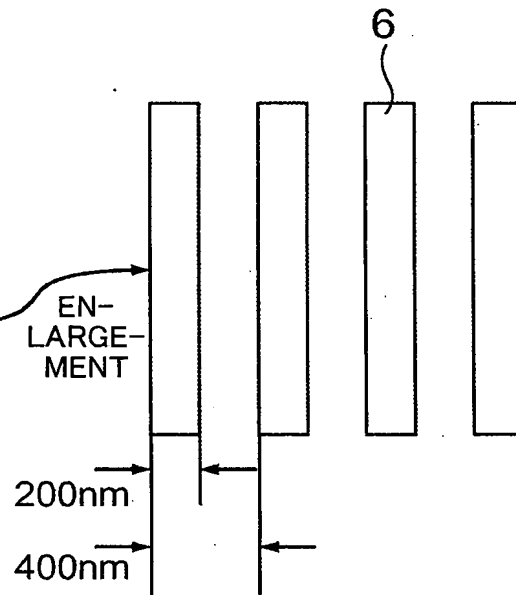


FIG. 7

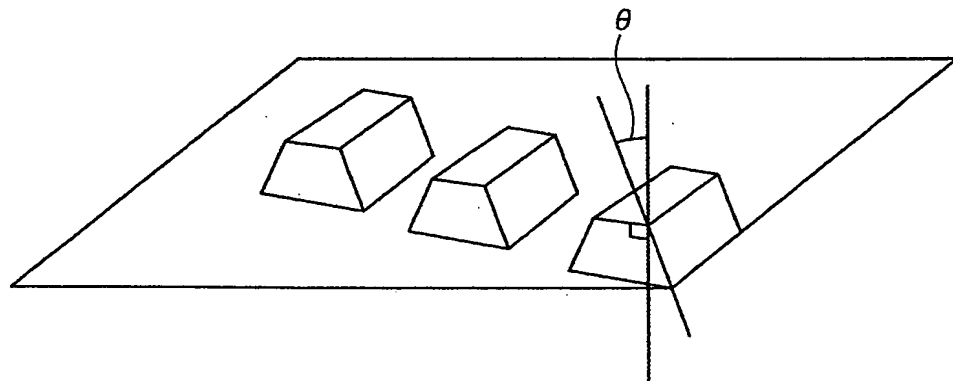


FIG. 8A

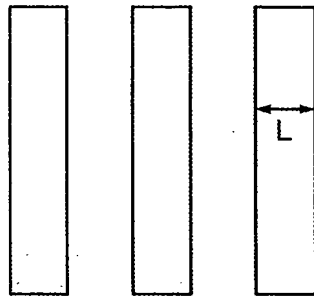


FIG. 8B

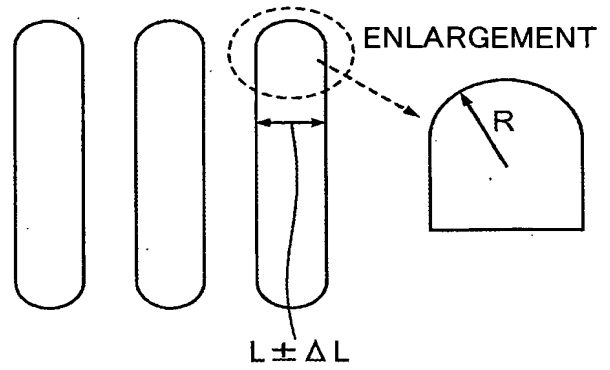


FIG. 9

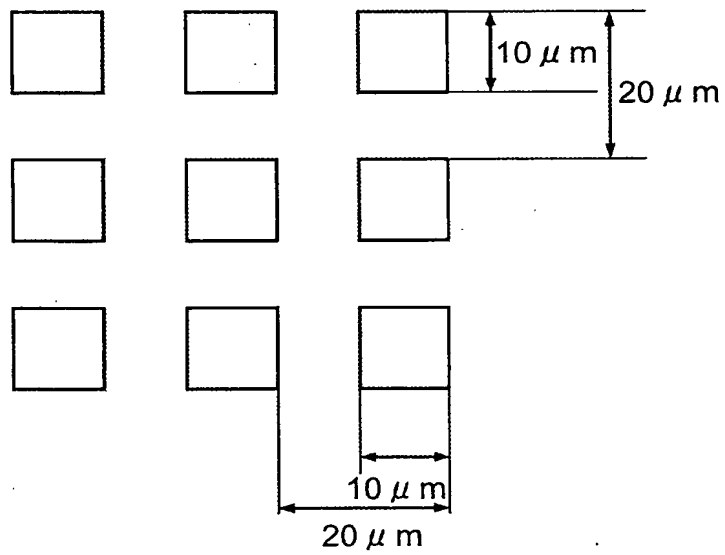


FIG. 10A

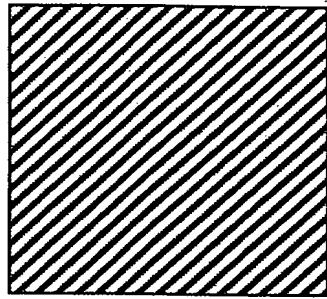


FIG. 10B

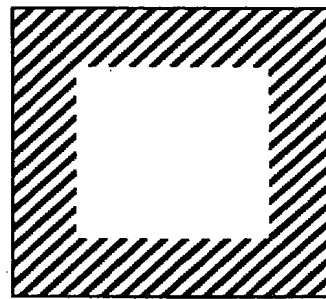


FIG. 11

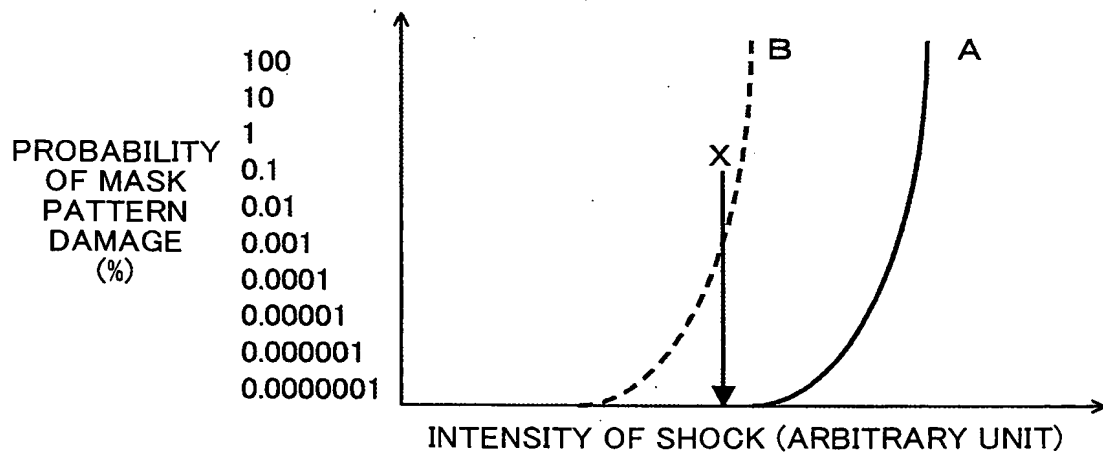
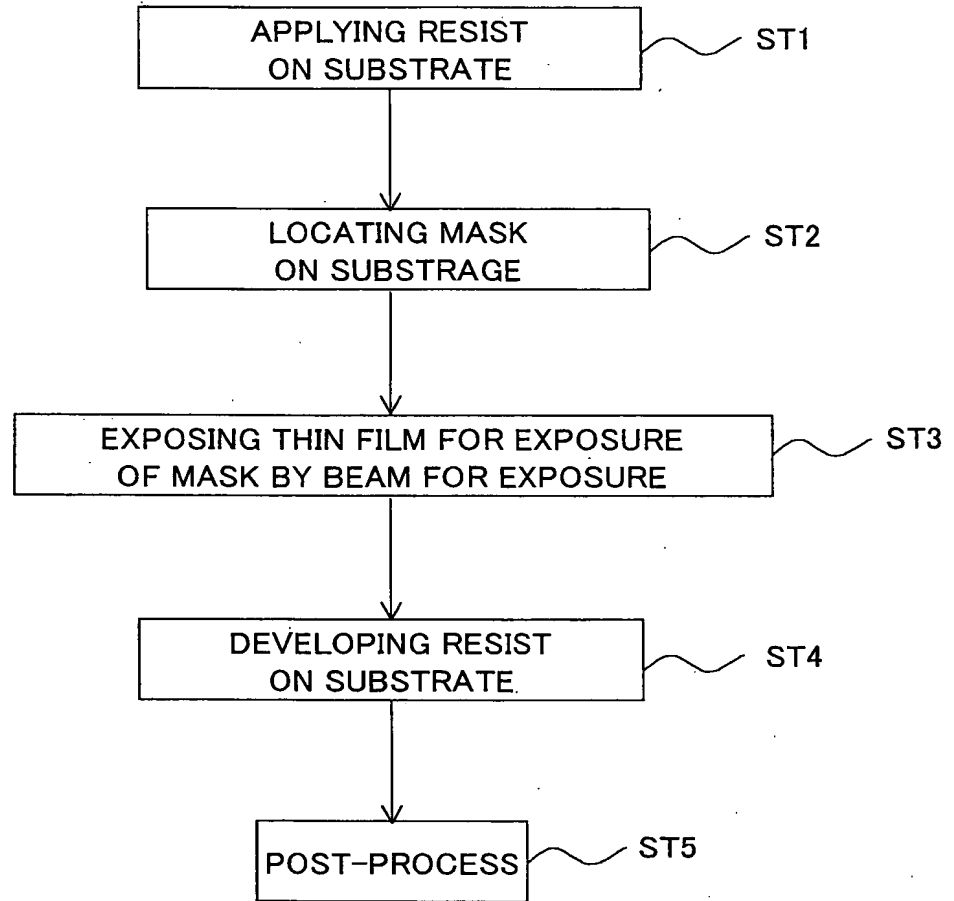


FIG. 12



LIST OF REFERENCE

	1, 1a...	beam
	2...	membrane
5	3...	silicon wafer
	4...	membrane for inspection
	5...	beam
	6...	line-and-space pattern
	11...	mask
10	12...	sample holder
	13...	vacuum pump
	14...	pressure sensor
	15...	valve
	16...	membrane
15	17...	optical glass
	18...	He-Ne laser
	19...	single-mode fiber optic
	20...	microscope
	21...	half mirror
20	22...	CCD camera
	23...	TV monitor
	24...	computer
	25...	X-Y monitor
	101...	SOI wafer
25	102...	silicon oxide film

	103...	silicon wafer
	104...	silicon oxide film
	105...	silicon layer
	106...	membrane
5	107, 107a...	beam
	108...	resist
	109...	hole
	110...	stencil mask
	111...	silicon wafer
10	112a, 112b...	silicon nitride
	113...	chromium layer
	114...	tungsten layer
	115...	resist
	116...	beam
15	117...	membrane
	118...	scattering membrane mask